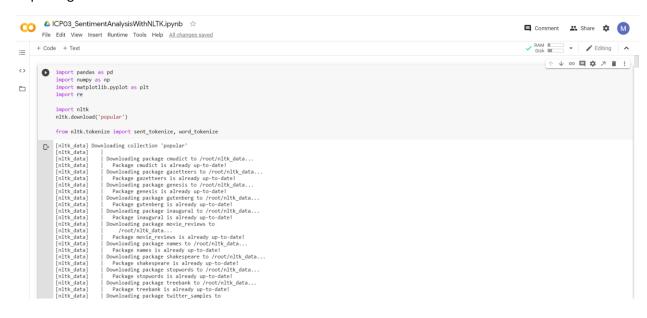
### Mehmet Acikgoz

#### **ICP-03 TWITTER SENTIMENT ANALYSIS**

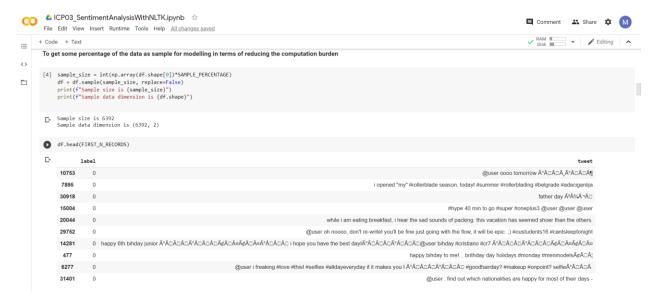
#### Importing the libraries



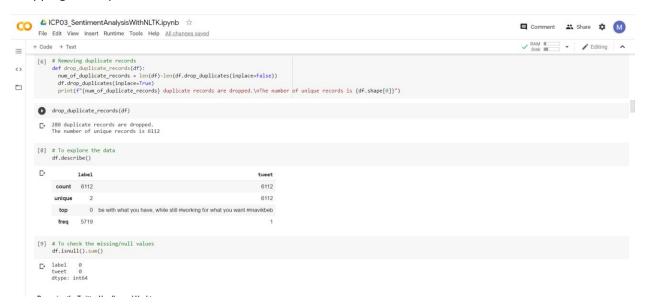
### Reading the data



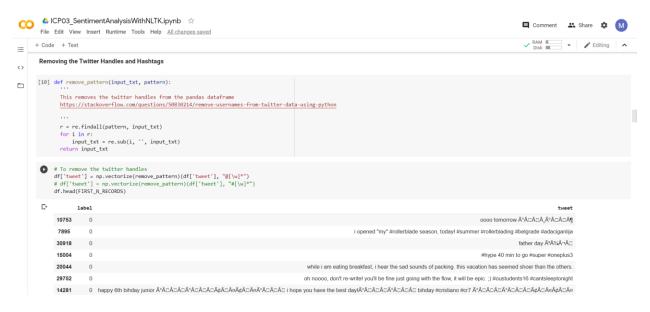
### **Data Sampling for Reducing Computation Burden**



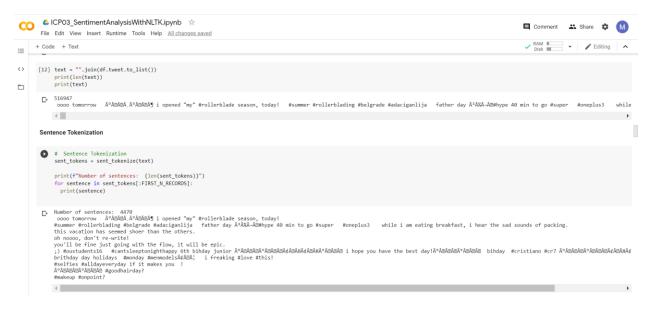
### Dropping the duplicate records:

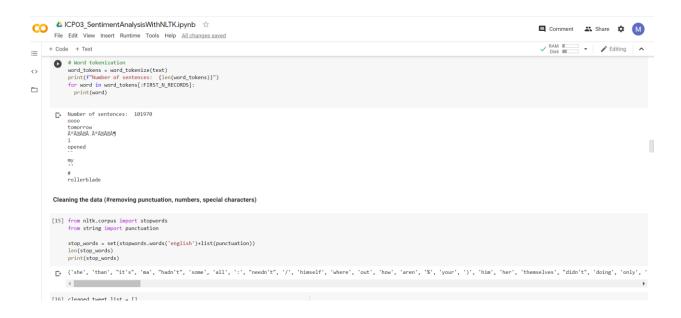


### **Data Cleaning:**



#### **Tokenization**





### Rearranging the data after cleaning from the stopwords, punctuation and special characters



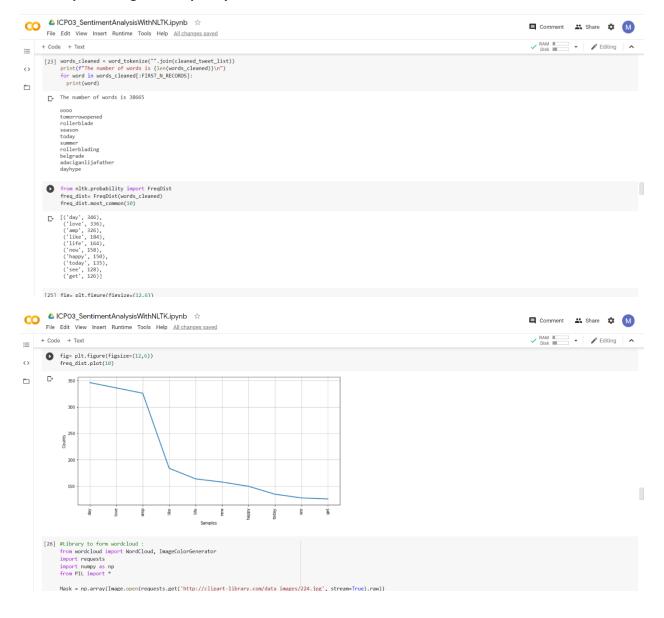
# **Dropping duplicate records:**



# **Target Value Distribution:**

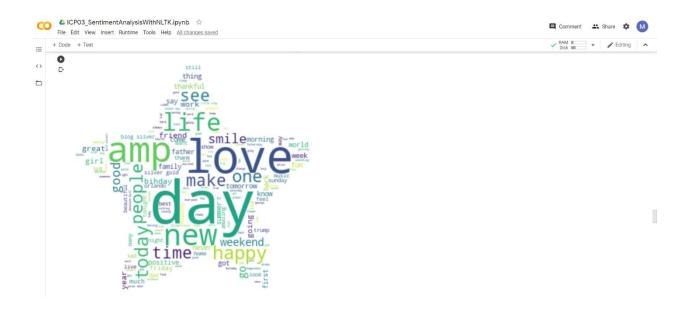


# **Data Preprocessing and Frequency Distribution**

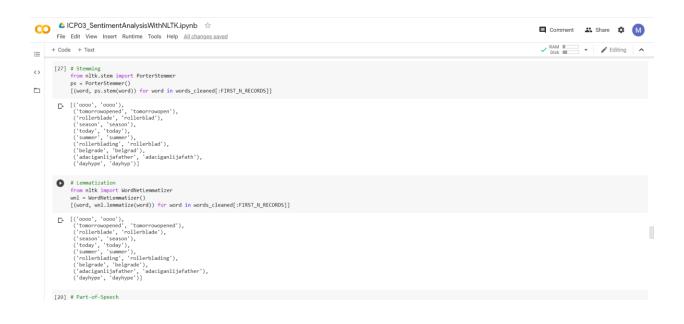


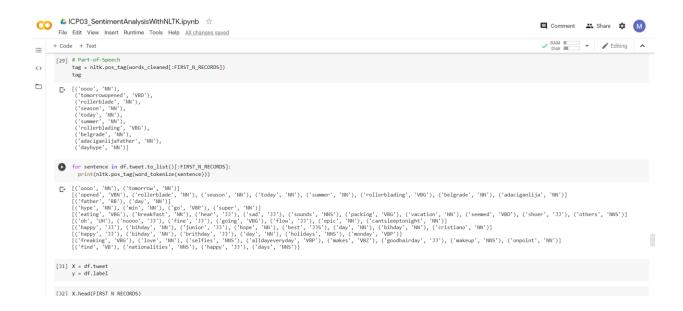
#### WordCloud Generated from the data

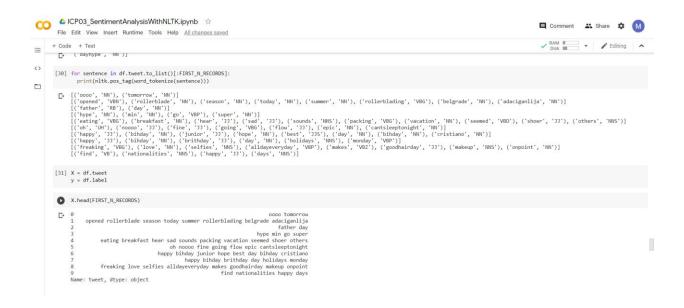




### Stemming, Lemmatization, Part-of-Speech:

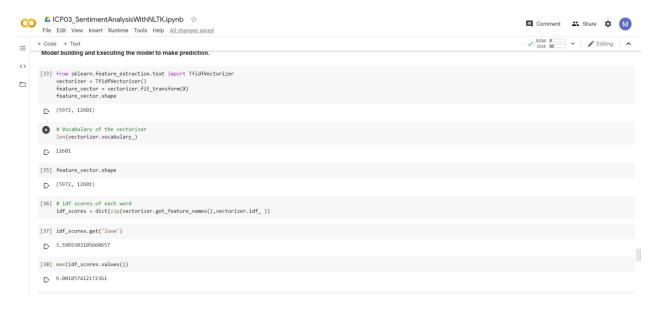




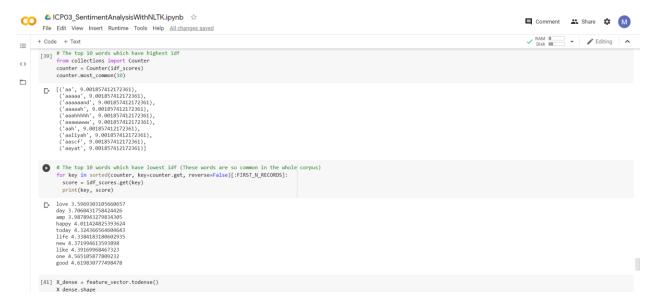


# Model Building and Prediction (with Naïve Bayes)

#### **Tfldf Vectorizer Generation**



# Top 10 and Bottom 10 words which have the biggest idf and the smallest idf values



### **Train-Test-Split, Modelling and Prediction**



# **Modelling Results**

